Hand County, South Dakota
Nontechnical Soil Descriptions

Ag – Highmore Silt Loam

Ag HIGHMORE SILT LOAM – The Highmore series consists of very deep, well drained soils formed in silty glacial drift on uplands. They have moderate permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BcA – Prosper–Stickney Loams, Nearly Level

BcA PROSPER–STICKNEY LOAMS, NEARLY LEVEL – The Prosper series consists of very deep, moderately well drained soil formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.
BcA PROSPER–STICKNEY LOAMS, NEARLY LEVEL – The Stickney series consists of very deep, moderately well drained, slowly permeable soils formed in glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BhA – Prosper–Houdek Loams, Nearly Level

BhA PROSPER–HOUDEK LOAMS, NEARLY LEVEL – The Prosper series consists of very deep, moderately well drained soil formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.
BhA PROSPER–HOUDEK LOAMS, NEARLY LEVEL – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CaA – Dudley Silt Loam, Nearly Level

CaA DUDLEY SILT LOAM, NEARLY LEVEL – The Dudley series consists of deep, moderately well and somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CcA – Dudley–Stickney Silt Loams, Nearly Level

CcA DUDLEY–STICKNEY SILT LOAMS, NEARLY LEVEL – The Dudley series consists of deep, moderately well and somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
CcA DUDLEY–STICKNEY SILT LOAMS, NEARLY LEVEL – The Stickney series consists of very deep, moderately well drained, slowly permeable soils formed in glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CeA – Degrey–Eakin Silt Loams, Nearly Level

CeA DEGREY–EAKIN SILT LOAMS, NEARLY LEVEL – The DeGrey series consists of very deep, moderately well drained upland soils formed in a silty mantle over loamy glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
CeA DEGREY–EAKIN SILT LOAMS, NEARLY LEVEL – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ChA – Dudley–Houdek Loams, Nearly Level

ChA DUDLEY–HOUDEK LOAMS, NEARLY LEVEL – The Dudley series consists of deep, moderately well and somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ChA DUDLEY–HOUDEK LOAMS, NEARLY LEVEL – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ChB – Dudley–Houdek Loams, Undulating

ChB DUDLEY–HOUDEK LOAMS, UNDULATING – The Dudley series consists of deep, moderately well and somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ChB DUDLEY–HOUDEK LOAMS, UNDULATING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

CmA – Cavo–Raber Silt Loams, Nearly Level
CmA CAVO–RABER SILT LOAMS, NEARLY LEVEL – The Cavo series consists of deep, moderately well drained soils formed in glacial till. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
CmA CAVO–RABER SILT LOAMS, NEARLY LEVEL – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CnA – Cavo–Glenham Loams, Nearly Level

CnA CAVO–GLENHAM LOAMS, NEARLY LEVEL – The Cavo series consists of deep, moderately well drained soils formed in glacial till. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
CnA CAVO–GLENHAM LOAMS, NEARLY LEVEL – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

CrA – Stickney–Prosper Loams, Nearly Level

CrA STICKNEY–PROSPER LOAMS, NEARLY LEVEL – The Stickney series consists of very deep, moderately well drained, slowly permeable soils formed in glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
CrA STICKNEY–PROSPER LOAMS, NEARLY LEVEL – The Prosper series consists of very deep, moderately well drained soil formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.

CsA – Stickney–Dudley Silt Loams, Nearly Level

CsA STICKNEY–DUDLEY SILT LOAMS, NEARLY LEVEL – The Stickney series consists of very deep, moderately well drained, slowly permeable soils formed in glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
CsA STICKNEY–DUDLEY SILT LOAMS, NEARLY LEVEL – The Dudley series consists of deep, moderately well and somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Dep – Worthing Silty Clay Loam

Dep WORTHING SILTY CLAY LOAM – The Worthing series consists of deep, poorly and very poorly drained soils formed in clayey alluvial sediments in upland depressions. Permeability is slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

EaA – Eakin Silt Loam, Nearly Level

EaA EAKIN SILT LOAM, NEARLY LEVEL – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EaB – Eakin Silt Loam, Undulating

EaB EAKIN SILT LOAM, UNDULATING – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EcA – Eakin–Degrey Silt Loams, Nearly Level

EcA EAKIN–DEGREY SILT LOAMS, NEARLY LEVEL – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
EcA EAKIN–DEGREY SILT LOAMS, NEARLY LEVEL – The DeGrey series consists of very deep, moderately well drained upland soils formed in a silty mantle over loamy glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

EcB – Eakin–Degrey Silt Loams, Undulating

EcB EAKIN–DEGREY SILT LOAMS, UNDULATING – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
EcB EAKIN–DEGREY SILT LOAMS, UNDULATING – The DeGrey series consists of very deep, moderately well drained upland soils formed in a silty mantle over loamy glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EmA – Eakin–Jerauld Silt Loams, Nearly Level

EmA EAKIN–JERAULD SILT LOAMS, NEARLY LEVEL – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
EmA EAKIN–JERAULD SILT LOAMS, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

EmB – Eakin–Jerauld Silt Loams, Undulating

EmB EAKIN–JERAULD SILT LOAMS, UNDULATING – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
EmB EAKIN–JERAULD SILT LOAMS, UNDULATING – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

ErA – Eakin–Raber Complex, Nearly Level

ErA EAKIN–RABER COMPLEX, NEARLY LEVEL – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ErA EAKIN–RABER COMPLEX, NEARLY LEVEL – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ErB – Eakin–Raber Complex, Undulating

ErB EAKIN–RABER COMPLEX, UNDULATING – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ErB EAKIN–RABER COMPLEX, UNDULATING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EsA – Jerauld Silty Clay, Level

EsA JERAULD SILTY CLAY, LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

EtA – Durrstein Silty Clay Loam, Nearly Level

EtA DURRSTEIN SILTY CLAY LOAM, NEARLY LEVEL – The Durrstein series consists of very deep, poorly drained soils formed in clayey alluvium on flood plains and broad flats. These soils have very slow or slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

EvA – Jerauld–Lane Silty Clay Loams, Nearly Level

EvA JERAULD–LANE SILTY CLAY LOAMS, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
EvA JERAULD–LANE SILTY CLAY LOAMS, NEARLY LEVEL – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.

ExA – Jerauld–Lane Silty Clays, Level

ExA JERAULD–LANE SILTY CLAYS, LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
ExA JERAULD–LANE SILTY CLAYS, LEVEL – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.

GaA – Davis Silt Loam, Nearly Level

GaA DAVIS SILT LOAM, NEARLY LEVEL – The Davis series consists of deep, well drained and moderately well drained soils formed in loamy sediments on foot slopes, fans and high bottom lands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

GaB – Davis Silt Loam, Gently Sloping

GaB DAVIS SILT LOAM, GENTLY SLOPING – The Davis series consists of deep, well drained and moderately well drained soils formed in loamy sediments on foot slopes, fans and high bottom lands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Gp – Orthents, Gravelly

Gp ORTHENTS, GRAVELLY – Orthents, gravelly consists of areas where gravel has been excavated and removed. Some areas have been smoothed and 8 to 14 inches of loamy overburden has been replaced. This soil has low available water capacity and organic matter content. Flooding is NONE.

HaA – Davison Loam, Nearly Level

HaA DAVISON LOAM, NEARLY LEVEL – The Davison series consists of deep, moderately well drained soils formed in stratified glacial meltwater sediments or glacial till on uplands. Permeability is moderate in the solum and moderate or moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HbA – Hand Loam, Nearly Level

HbA HAND LOAM, NEARLY LEVEL – The Hand series consists of deep, well drained soils formed in stratified loamy glacial meltwater sediments on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HbB – Hand Loam, Undulating

HbB HAND LOAM, UNDULATING – The Hand series consists of deep, well drained soils formed in stratified loamy glacial meltwater sediments on uplands. Permeability is moderate. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HcA – Durrstein Silt Loam, Nearly Level

HcA DURRSTEIN SILT LOAM, NEARLY LEVEL – The Durrstein series consists of very deep, poorly drained soils formed in clayey alluvium on flood plains and broad flats. These soils have very slow or slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

HdA – Durrstein–Bon Complex, Nearly Level

HdA DURRSTEIN–BON COMPLEX, NEARLY LEVEL – The Durrstein series consists of very deep, poorly drained soils formed in clayey alluvium on flood plains and broad flats. These soils have very slow or slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.
HdA DURRSTEIN–BON COMPLEX, NEARLY LEVEL – The Bon series consists of deep, well drained and moderately well drained soils formed in alluvium on bottom lands of the glacial till plain. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is OCCAS.

HeA – Durrstein–Lane Silty Clay Loams, Nearly Level

HeA DURRSTEIN–LANE SILTY CLAY LOAMS, NEARLY LEVEL – The Durrstein series consists of very deep, poorly drained soils formed in clayey alluvium on flood plains and broad flats. These soils have very slow or slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.
HeA DURRSTEIN–LANE SILTY CLAY LOAMS, NEARLY LEVEL – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is RARE.

Hg – Talmo Gravelly Loam

Hg TALMO GRAVELLY LOAM – The Talmo series consists of very deep, excessively drained soils formed in sand and gravel outwash sediments on glacial outwash plains and moraines. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

HhA – Houdek Loam, Nearly Level

HhA HOUDEK LOAM, NEARLY LEVEL – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HhB – Houdek Loam, Undulating

HhB HOUDEK LOAM, UNDULATING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HhC – Houdek Loam, Rolling

HhC HOUDEK LOAM, ROLLING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HkA – Houdek–Prosper Loams, Nearly Level

HkA HOUDEK–PROSPER LOAMS, NEARLY LEVEL – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HkA HOUDEK–PROSPER LOAMS, NEARLY LEVEL – The Prosper series consists of very deep, moderately well drained soil formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.

HkB – Houdek–Prosper Loams, Undulating

HkB HOUDEK–PROSPER LOAMS, UNDULATING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HkB HOUDEK–PROSPER LOAMS, UNDULATING – The Prosper series consists of very deep, moderately well drained soil formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

HlA – Houdek–Dudley Loams, Nearly Level

HlA HOUDEK–DUDLEY LOAMS, NEARLY LEVEL – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HlA HOUDEK–DUDLEY LOAMS, NEARLY LEVEL – The Dudley series consists of deep, moderately well and somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HlB – Houdek–Dudley Loams, Undulating

HlB HOUDEK–DUDLEY LOAMS, UNDULATING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HlB HOUDEK–DUDLEY LOAMS, UNDULATING – The Dudley series consists of deep, moderately well and somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HmA – Houdek–Jerauld Complex, Nearly Level

HmA HOUDEK–JERAULD COMPLEX, NEARLY LEVEL – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HmA HOUDEK–JERAULD COMPLEX, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

HmB – Houdek–Jerauld Complex, Undulating

HmB HOUDEK–JERAULD COMPLEX, UNDULATING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HmB HOUDEK–JERAULD COMPLEX, UNDULATING – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

HsB – Houdek–Delmont Loams, Undulating

HsB HOUDEK–DELMONT LOAMS, UNDULATING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HsB HOUDEK–DELMONT LOAMS, UNDULATING – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

HsC – Houdek–Delmont Loams, Rolling

HsC HOUDEK–DELMONT LOAMS, ROLLING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HsC HOUDEK–DELMONT LOAMS, ROLLING – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

HsD – Houdek–Talmo Complex, Hilly

HsD HOUDEK–TALMO COMPLEX, HILLY – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HsD HOUDEK–TALMO COMPLEX, HILLY – The Talmo series consists of very deep, excessively drained soils formed in sand and gravel outwash sediments on glacial outwash plains and moraines. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

HtD – Houdek–Ethan Loams, Rolling

HtD HOUDEK–ETHAN LOAMS, ROLLING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HtD HOUDEK–ETHAN LOAMS, ROLLING – The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

HuD – Houdek–Ethan Loams, Rolling

HuD HOUDEK–ETHAN LOAMS, ROLLING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
HuD HOUDEK–ETHAN LOAMS, ROLLING – The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hv – Hoven Silty Clay Loam

Hv HOVEN SILTY CLAY LOAM – The Hoven series consists of very deep, poorly drained soils formed in clayey alluvium in closed basins on uplands. Permeability is very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE. Ponding duration is LONG.

HyA – Hurley–Promise Silty Clays, Nearly Level

HyA HURLEY–PROMISE SILTY CLAYS, NEARLY LEVEL – The Hurley series consists of moderately deep, moderately well and well drained soils formed in residuum weathered from clay shales on uplands. Permeability is very slow. This soil has low available water capacity and low organic matter content. Flooding is NONE.
HyA HURLEY–PROMISE SILTY CLAYS, NEARLY LEVEL – The Promise series consists of deep or very deep, well drained soils formed in clayey sediments weathered from clay shales. These soils are on uplands, fans and terraces. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Int – Worthing Silty Clay Loam, Ponded

Int WORTHING SILTY CLAY LOAM, PONDED – The Worthing series consists of deep, poorly and very poorly drained soils formed in clayey alluvial sediments in upland depressions. Permeability is slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

LaA – Davis Loam, Nearly Level

LaA DAVIS LOAM, NEARLY LEVEL – The Davis series consists of deep, well drained and moderately well drained soils formed in loamy sediments on foot slopes, fans and high bottom lands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

LbA – Bon Silt Loam, Nearly Level

LbA BON SILT LOAM, NEARLY LEVEL – The Bon series consists of deep, well drained and moderately well drained soils formed in alluvium on bottom lands of the glacial till plain. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is OCCAS.

LcA – Bon Silt Loam, Nearly Level

LcA BON SILT LOAM, NEARLY LEVEL – The Bon series consists of deep, well drained and moderately well drained soils formed in alluvium on bottom lands of the glacial till plain. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is RARE.

LdA – Davis Silt Loam, Fans, Nearly Level

LdA DAVIS SILT LOAM, FANS, NEARLY LEVEL – The Davis series consists of deep, well drained and moderately well drained soils formed in loamy sediments on foot slopes, fans and high bottom lands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is RARE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

LeA – Bon–Northville Complex, Nearly Level

LeA BON–NORTHVILLE COMPLEX, NEARLY LEVEL – The Bon series consists of deep, well drained and moderately well drained soils formed in alluvium on bottom lands of the glacial till plain. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is RARE.
LeA BON–NORTHVILLE COMPLEX, NEARLY LEVEL – The Northville series consists of very deep, moderately well drained soils formed in clayey alluvium. These soils are on stream terraces. Permeability is slow. This soil has high available water capacity and moderate organic matter content. Flooding is RARE.

LlA – Bon–Lamo Silt Loams, Nearly Level

LlA BON–LAMO SILT LOAMS, NEARLY LEVEL – The Bon series consists of deep, well drained and moderately well drained soils formed in alluvium on bottom lands of the glacial till plain. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is OCCAS.
LlA BON–LAMO SILT LOAMS, NEARLY LEVEL – The Lamo series consists of very deep, somewhat poorly drained and poorly drained soils that formed in calcareous alluvium. The soils have moderately slow permeability. These soils are on bottom lands. This soil has very high available water capacity and moderate organic matter content. Flooding is OCCAS. Ponding duration is BRIEF.

LmA – Lamo Silty Clay Loam, Nearly Level

LmA LAMO SILTY CLAY LOAM, NEARLY LEVEL – The Lamo series consists of very deep, somewhat poorly drained and poorly drained soils that formed in calcareous alluvium. The soils have moderately slow permeability. These soils are on bottom lands. This soil has very high available water capacity and moderate organic matter content. Flooding is OCCAS.

LnB – Lane Loam, Gently Sloping

LnB LANE LOAM, GENTLY SLOPING – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.

LoA – Lane Silty Clay, Nearly Level

LoA LANE SILTY CLAY, NEARLY LEVEL – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.

LpA – Lane–Jerauld Silty Clay Loams, Nearly Level

LpA LANE–JERAULD SILTY CLAY LOAMS, NEARLY LEVEL – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.
LpA LANE–JERAULD SILTY CLAY LOAMS, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

LrA – Lane–Jerauld Silty Clays, Level

LrA LANE–JERAULD SILTY CLAYS, LEVEL – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.
LrA LANE–JERAULD SILTY CLAYS, LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

LsA – Lane–Durrstein Silty Clay Loams, Nearly Level

LsA LANE–DURRSTEIN SILTY CLAY LOAMS, NEARLY LEVEL – The Lane series consists of deep, well drained and moderately well drained soils formed in local clayey alluvium on foot slopes, fans, and stream terraces. These soils have moderately slow or slow permeability. This soil has high available water capacity and high organic matter content. Flooding is RARE.
LsA LANE–DURRSTEIN SILTY CLAY LOAMS, NEARLY LEVEL – The Durrstein series consists of very deep, poorly drained soils formed in clayey alluvium on flood plains and broad flats. These soils have very slow or slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

LtD – Sansarc–Opal Silty Clays, Hilly
LtD SANSARC–OPAL SILTY CLAYS, HILLY – The Sansarc series consists of shallow, well drained soils formed in clay residuum weathered from shale within the dissected shale plain. Permeability is slow. This soil has very low available water capacity and low organic matter content. Flooding is NONE.
LtD SANSARC–OPAL SILTY CLAYS, HILLY – The Opal series consists of moderately deep, well drained soils formed in clayey sediments weathered from clay shale on uplands. Permeability is very slow. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

Ma – Doger Loamy Sand

Ma DOGER LOAMY SAND – The Doger series consists of deep, well drained or somewhat excessively drained soils formed in sandy materials on uplands. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

McA – Hoven Silty Clay Loam

McA HOVEN SILTY CLAY LOAM – The Hoven series consists of very deep, poorly drained soils formed in clayey alluvium in closed basins on uplands. Permeability is very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE. Ponding duration is LONG.

MdA – Jerauld Silt Loam, Nearly Level

MdA JERAULD SILT LOAM, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

MeA – Jerauld–Eakin Silt Loam, Nearly Level

MeA JERAULD–EAKIN SILT LOAM, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
MeA JERAULD–EAKIN SILT LOAM, NEARLY LEVEL – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

MhA – Jerauld–Houdek Complex, Nearly Level

MhA JERAULD–HOUDEK COMPLEX, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
MhA JERAULD–HOUDEK COMPLEX, NEARLY LEVEL – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

MhB – Jerauld–Houdek Complex, Undulating

MhB JERAULD–HOUDEK COMPLEX, UNDULATING – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
MhB JERAULD–HOUDEK COMPLEX, UNDULATING – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

MrA – Jerauld–Raber Complex, Nearly Level

MrA JERAULD–RABER COMPLEX, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
MrA JERAULD–RABER COMPLEX, NEARLY LEVEL – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

MrB – Jerauld–Raber Complex, Undulating

MrB JERAULD–RABER COMPLEX, UNDULATING – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
MrB JERAULD–RABER COMPLEX, UNDULATING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

MwA – Jerauld–Glenham Complex, Nearly Level

MwA JERAULD–GLENHAM COMPLEX, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
MwA JERAULD–GLENHAM COMPLEX, NEARLY LEVEL – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

MyB – Mondamin Silty Clay Loam, Gently Sloping

MyB MONDAMIN SILTY CLAY LOAM, GENTLY SLOPING – The Mondamin series consists of very deep, well drained or moderately well drained soils formed in glaciolacustrine sediments on uplands. Permeability is moderately slow or slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

OaA – Oahe Loam, Nearly Level

OaA OAHE LOAM, NEARLY LEVEL – The Oahe series consists of deep, well drained soils formed in loamy alluvium on outwash sediments overlying sand and gravel on terraces and foot slopes. Permeability is moderate in the solum and rapid in the underlying gravelly material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

OaB – Oahe Loam, Undulating

OaB OAHE LOAM, UNDULATING – The Oahe series consists of deep, well drained soils formed in loamy alluvium on outwash sediments overlying sand and gravel on terraces and foot slopes. Permeability is moderate in the solum and rapid in the underlying gravelly material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

OhA – Oahe–Delmont Loams, Nearly Level

OhA OAHE–DELMONT LOAMS, NEARLY LEVEL – The Oahe series consists of deep, well drained soils formed in loamy alluvium on outwash sediments overlying sand and gravel on terraces and foot slopes. Permeability is moderate in the solum and rapid in the underlying gravelly material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
OhA OAHE–DELMONT LOAMS, NEARLY LEVEL – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

OhB – Oahe–Delmont Loams, Undulating

OhB OAHE–DELMONT LOAMS, UNDULATING – The Oahe series consists of deep, well drained soils formed in loamy alluvium on outwash sediments overlying sand and gravel on terraces and foot slopes. Permeability is moderate in the solum and rapid in the underlying gravelly material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
OhB OAHE–DELMONT LOAMS, UNDULATING – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

OrA – Promise Silty Clay, Nearly Level

OrA PROMISE SILTY CLAY, NEARLY LEVEL – The Promise series consists of deep or very deep, well drained soils formed in clayey sediments weathered from clay shales. These soils are on uplands, fans and terraces. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

OrB – Promise Silty Clay, Gently Sloping

OrB PROMISE SILTY CLAY, GENTLY SLOPING – The Promise series consists of deep or very deep, well drained soils formed in clayey sediments weathered from clay shales. These soils are on uplands, fans and terraces. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

PrB – Promise Silty Clay, Gently Sloping

PrB PROMISE SILTY CLAY, GENTLY SLOPING – The Promise series consists of deep or very deep, well drained soils formed in clayey sediments weathered from clay shales. These soils are on uplands, fans and terraces. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

PrC – Promise Silty Clay, Sloping

PrC PROMISE SILTY CLAY, SLOPING – The Promise series consists of deep or very deep, well drained soils formed in clayey sediments weathered from clay shales. These soils are on uplands, fans and terraces. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

PrD – Promise Silty Clay, Moderately Steep

PrD PROMISE SILTY CLAY, MODERATELY STEEP – The Promise series consists of deep or very deep, well drained soils formed in clayey sediments weathered from clay shales. These soils are on uplands, fans and terraces. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

RaA – Raber Loam, Nearly Level

RaA RABER LOAM, NEARLY LEVEL – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

RaB – Raber Loam, Undulating

RaB RABER LOAM, UNDULATING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

RaC – Raber Loam, Rolling

RaC RABER LOAM, ROLLING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

RcA – Raber–Cavo Loams, Nearly Level

RcA RABER–CAVO LOAMS, NEARLY LEVEL – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
RcA RABER–CAVO LOAMS, NEARLY LEVEL – The Cavo series consists of deep, moderately well drained soils formed in glacial till. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

RcB – Raber–Cavo Loams, Undulating

RcB RABER–CAVO LOAMS, UNDULATING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
RcB RABER–CAVO LOAMS, UNDULATING – The Cavo series consists of deep, moderately well drained soils formed in glacial till. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

ReA – Raber–Eakin Complex, Nearly Level

ReA RABER–EAKIN COMPLEX, NEARLY LEVEL – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ReA RABER–EAKIN COMPLEX, NEARLY LEVEL – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ReB – Raber–Eakin Complex, Undulating

ReB RABER–EAKIN COMPLEX, UNDULATING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ReB RABER–EAKIN COMPLEX, UNDULATING – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ReC – Raber–Eakin Complex, Rolling

ReC RABER–EAKIN COMPLEX, ROLLING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ReC RABER–EAKIN COMPLEX, ROLLING – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

RmA – Raber–Jerauld Complex, Nearly Level

RmA RABER–JERAULD COMPLEX, NEARLY LEVEL – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
RmA RABER–JERAULD COMPLEX, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

RmB – Raber–Jerauld Complex, Undulating

RmB RABER–JERAULD COMPLEX, UNDULATING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
RmB RABER–JERAULD COMPLEX, UNDULATING – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

RpC – Raber–Peno Loams, Rolling

RpC RABER–PENO LOAMS, ROLLING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
RpC RABER–PENO LOAMS, ROLLING – The Peno series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

RrC – Raber–Peno Loams, Rolling

RrC RABER–PENO LOAMS, ROLLING – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
RrC RABER–PENO LOAMS, ROLLING – The Peno series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

Rs – Talmo Gravelly Sandy Loam
Rs TALMO GRAVELLY SANDY LOAM – The Talmo series consists of very deep, excessively drained soils formed in sand and gravel outwash sediments on glacial outwash plains and moraines. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

Ru – Betts Loam

Ru BETTS LOAM – The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Sa – Egas Silty Clay Loam

Sa EGAS SILTY CLAY LOAM – The Egas series consists of very deep, poorly or very poorly drained slowly permeable soils formed in alluvium. They are on flood plains and have slopes of less than 2 percent. This soil has moderate available water capacity and moderate organic matter content. Flooding is OCCAS.

Sm – Delmont Loam

Sm DELMONT LOAM – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

So – Delmont–Oahe Loams

So DELMONT–OAHE LOAMS – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
So DELMONT–OAHE LOAMS – The Oahe series consists of deep, well drained soils formed in loamy alluvium on outwash sediments overlying sand and gravel on terraces and foot slopes. Permeability is moderate in the solum and rapid in the underlying gravelly material. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

Sw – Delmont–Enet Loams

Sw DELMONT–ENET LOAMS – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
Sw DELMONT–ENET LOAMS – The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

SxA – Dimo Loam, Nearly Level

SxA DIMO LOAM, NEARLY LEVEL – The Dimo series consists of very deep, somewhat poorly drained soils formed in loamy alluvium and the underlying sand and gravel. Permeability is moderate in the solum and rapid in the sand and gravel. This soil has moderate available water capacity and high organic matter content. Flooding is OCCAS.

SyA – Dimo Loam, Nearly Level

SyA DIMO LOAM, NEARLY LEVEL – The Dimo series consists of very deep, somewhat poorly drained soils formed in loamy alluvium and the underlying sand and gravel. Permeability is moderate in the solum and rapid in the sand and gravel. This soil has moderate available water capacity and high organic matter content. Flooding is OCCAS.

Tp – Worthing Silt Loam, Poorly Drained

Tp WORTHING SILT LOAM, POORLY DRAINED – The Worthing series consists of deep, poorly and very poorly drained soils formed in clayey alluvial sediments in upland depressions. Permeability is slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

Tw − Tetonka Silt Loam

Tw TETONKA SILT LOAM − The Tetonka series consists of deep, poorly drained soils formed in local alluvium in depressions on uplands. Permeability is very slow or slow. This soil has high available water capacity and high organic matter content. Flooding is NONE. Ponding duration is LONG.

w − Water < 40 Acres

w WATER < 40 ACRES − These are areas of water that are normally less than 40 acres in size. This soil has available water capacity and organic matter content.

WeA − Enet Loam, Nearly Level

WeA ENET LOAM, NEARLY LEVEL − The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

WeB − Enet Loam, Undulating

WeB ENET LOAM, UNDULATING − The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

WgA − Enet−Delmont Loams, Nearly Level

WgA ENET−DELMONT LOAMS, NEARLY LEVEL − The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
WgA ENET−DELMONT LOAMS, NEARLY LEVEL − The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

WgB − Enet−Delmont Loams, Undulating

WgB ENET−DELMONT LOAMS, UNDULATING − The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
WgB ENET−DELMONT LOAMS, UNDULATING − The Enet series consists of deep, well drained soils formed in loamy sediments and the underlying stratified sand and gravel on the glacial outwash plain. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

WmB − Glenham Loam, Undulating

WmB GLENHAM LOAM, UNDULATING − The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WmC − Glenham Loam, Rolling

WmC GLENHAM LOAM, ROLLING − The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WnA − Glenham−Prosper Loams, Nearly Level

WnA GLENHAM−PROSPER LOAMS, NEARLY LEVEL − The Prosper series consists of very deep, moderately well drained soil formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.
WnA GLENHAM−PROSPER LOAMS, NEARLY LEVEL − The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

WnB – Glenham–Prosper Loams, Undulating
WnB GLENHAM–PROSPER LOAMS, UNDULATING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WnB GLENHAM–PROSPER LOAMS, UNDULATING – The Prosper series consists of very deep, moderately well drained soil formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and high organic matter content. Flooding is NONE.

WpA – Glenham–Cavo Loams, Nearly Level

WpA GLENHAM–CAVO LOAMS, NEARLY LEVEL – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WpA GLENHAM–CAVO LOAMS, NEARLY LEVEL – The Cavo series consists of deep, moderately well drained soils formed in glacial till. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

WpB – Glenham–Cavo Loams, Undulating

WpB GLENHAM–CAVO LOAMS, UNDULATING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WpB GLENHAM–CAVO LOAMS, UNDULATING – The Cavo series consists of deep, moderately well drained soils formed in glacial till. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

WrA – Glenham–Eakin Complex, Undulating

WrA GLENHAM–EAKIN COMPLEX, UNDULATING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WrA GLENHAM–EAKIN COMPLEX, UNDULATING – The Eakin series consists of very deep, well drained soils formed in a silty mantle overlying glacial till. These upland soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WsA – Glenham–Jerauld Complex, Nearly Level

WsA GLENHAM–JERAULD COMPLEX, NEARLY LEVEL – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
WsA GLENHAM–JERAULD COMPLEX, NEARLY LEVEL – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WsB – Glenham–Jerauld Complex, Undulating

WsB GLENHAM–JERAULD COMPLEX, UNDULATING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WsB GLENHAM–JERAULD COMPLEX, UNDULATING – The Jerauld series consists of very deep, moderately well or somewhat poorly drained soils formed in glacial till on uplands. Permeability is slow or very slow. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

WuB – Glenham–Delmont Loams, Undulating

WuB GLENHAM–DELMONT LOAMS, UNDULATING – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
WuB GLENHAM–DELMONT LOAMS, UNDULATING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

WuC – Glenham–Delmont Loams, Rolling

WuC GLENHAM–DELMONT LOAMS, ROLLING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WuC GLENHAM–DELMONT LOAMS, ROLLING – The Delmont series consists of very deep, somewhat excessively drained soils formed in loamy alluvium over sand and gravel on outwash plains and terraces. Permeability is moderately rapid or moderate in the solum and rapid in the underlying sand and gravel. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

WuD – Glenham–Talmo Loams, Hilly

WuD GLENHAM–TALMO LOAMS, HILLY – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WuD GLENHAM–TALMO LOAMS, HILLY – The Talmo series consists of very deep, excessively drained soils formed in sand and gravel outwash sediments on glacial outwash plains and moraines. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

ww – Water > 40 Acres

ww WATER > 40 ACRES – These are areas of water that are normally greater than 40 acres in size. This soil has available water capacity and organic matter content.

WxC – Glenham–Java Loams, Rolling

WxC GLENHAM–JAVA LOAMS, ROLLING – The Java series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WxC GLENHAM–JAVA LOAMS, ROLLING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

WzC – Glenham–Java Loams, Rolling

WzC GLENHAM–JAVA LOAMS, ROLLING – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
WzC GLENHAM–JAVA LOAMS, ROLLING – The Java series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZaD – Ethan–Houdek Loams, Hilly

ZaD ETHAN–HOUDEK LOAMS, HILLY – The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ZaD ETHAN–HOUDEK LOAMS, HILLY – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZhD – Ethan–Houdek Loams, Hilly

ZhD ETHAN–HOUDEK LOAMS, HILLY – The Houdek series consists of deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ZhD ETHAN–HOUDEK LOAMS, HILLY – The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

ZhE – Betts–Ethan Loams, Steep

ZhE BETTS–ETHAN LOAMS, STEEP – The Ethan series consists of deep, well drained soils formed in glacial till. They have moderate permeability in the solum and moderately slow permeability in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ZhE BETTS–ETHAN LOAMS, STEEP – The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZmD – Peno–Raber Loams, Hilly

ZmD PENO–RABER LOAMS, HILLY – The Peno series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
ZmD PENO–RABER LOAMS, HILLY – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZmE – Gettys–Peno Complex, Steep

ZmE GETTYS–PENO COMPLEX, STEEP – The Gettys series consists of deep or very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
ZmE GETTYS–PENO COMPLEX, STEEP – The Peno series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

ZrD – Peno–Raber Loams, Hilly

ZrD PENO–RABER LOAMS, HILLY – The Peno series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
ZrD PENO–RABER LOAMS, HILLY – The Raber series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow or slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZrE – Gettys–Peno Complex, Steep

ZrE GETTYS–PENO COMPLEX, STEEP – The Gettys series consists of deep or very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.
ZrE GETTYS–PENO COMPLEX, STEEP – The Peno series consists of very deep, well drained soils formed in glacial till on uplands. The soils have moderately slow permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

ZsD – Betts–Talmo Loams, Hilly

ZsD BETTS–TALMO LOAMS, HILLY – The Talmo series consists of very deep, excessively drained soils formed in sand and gravel outwash sediments on glacial outwash plains and moraines. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
ZsD BETTS–TALMO LOAMS, HILLY – The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZsE – Betts–Talmo Loams, Steep

ZsE BETTS–TALMO LOAMS, STEEP – The Talmo series consists of very deep, excessively drained soils formed in sand and gravel outwash sediments on glacial outwash plains and moraines. Permeability is rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.
ZsE BETTS–TALMO LOAMS, STEEP – The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Hand County, South Dakota
Non Technical Soil Descriptions--Continued

ZxD – Java–Glenham Loams, Hilly
ZxD JAVA–GLENHAM LOAMS, HILLY – The Java series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ZxD JAVA–GLENHAM LOAMS, HILLY – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZxE – Betts–Java Loams, Steep

ZxE BETTS–JAVA LOAMS, STEEP – The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ZxE BETTS–JAVA LOAMS, STEEP – The Java series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZyD – Java–Glenham Loams, Hilly

ZyD JAVA–GLENHAM LOAMS, HILLY – The Java series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ZyD JAVA–GLENHAM LOAMS, HILLY – The Glenham series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

ZyE – Betts–Java Loams, Steep

ZyE BETTS–JAVA LOAMS, STEEP – The Betts series consists of very deep, well drained soils formed in glacial till. Permeability is moderate in the upper part and moderately slow in the underlying glacial till. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.
ZyE BETTS–JAVA LOAMS, STEEP – The Java series consists of very deep, well drained soils formed in glacial till on uplands. Permeability is moderate in the solum and moderately slow in the underlying material. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.